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L1	17	trypsin near6 insert	USPAT	OR	OFF	2006/02/09 15:37
L2	699	("224" or "225") near6 insert	USPAT	OR	OFF	2006/02/09 15:38
L3	0	l1 and l2	USPAT	OR	OFF	2006/02/09 15:38

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=> s (trypsin) (6A) insert
L4          16 (TRYPSIN) (6A) INSERT

=> s (224 or 225) (6A) insert
L5          21 (224 OR 225) (6A) INSERT

=> s l4 and l5
L6           3 L4 AND L5

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L7 1 DUPLICATE REMOVE L6 (2 DUPLICATES REMOVED)

=> d l7 bib ab

L7 ANSWER 1 OF 1 MEDLINE on STN DUPLICATE 1
AN 88122641 MEDLINE
DN PubMed ID: 2893291
TI Novel precursor of Alzheimer's disease amyloid protein shows protease
inhibitory activity.
AU Kitaguchi N; Takahashi Y; Tokushima Y; Shiojiri S; Ito H
CS Life Science Research Laboratories, Asahi Chemical Industry Co. Ltd.,
Shizuoka, Japan.
SO Nature, (1988 Feb 11) 331 (6156) 530-2.
Journal code: 0410462. ISSN: 0028-0836.
CY ENGLAND: United Kingdom
DT Journal; Article; (JOURNAL ARTICLE)
LA English
FS Priority Journals
OS GENBANK-X06981
EM 198803
ED Entered STN: 19900308
Last Updated on STN: 19980206
Entered Medline: 19880317
AB Alzheimer's disease is characterized by cerebral deposits of amyloid
beta-protein (AP) as senile plaque core and vascular amyloid, and a
complementary DNA encoding a precursor of this protein (APP) has been
cloned from human brain. From a cDNA library of a human glioblastoma cell
line, we have isolated a cDNA identical to that previously reported,
together with a new cDNA which contains a **225**-nucleotide **insert**. The sequence of the 56 amino acids at the N-terminal of the protein deduced from this **insert** is highly homologous to the basic **trypsin** inhibitor family, and the lysate from COS-1 cells transfected with the longer APP cDNA showed an increased inhibition of trypsin activity. Partial sequencing of the genomic DNA encoding APP showed that the 225 nucleotides are located in two exons. At least three messenger RNA species, apparently transcribed from a single APP gene by alternative splicing, were found in human brain. We suggest that protease inhibition by the longer APP(s) could be related to aberrant APP catabolism.

All: 1 Review: 0

☐ **1:** Kitaguchi N, Takahashi Y, Tokushima Y, Shiojiri S, Ito H. Related Articles, Links

Novel precursor of Alzheimer's disease amyloid protein shows protease inhibitory activity.
Nature. 1988 Feb 11;331(6156):530-2.
PMID: 2893291 [PubMed - indexed for MEDLINE]

Feb 6 2006 04:30:54

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